

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

Claim 1 (Currently Amended): A method for testing at least one external influence ~~[[s]]~~ on a biological system ~~[[s]]~~ by measuring “ultraweak” photon emissions and delayed luminescence of tissue of the biological system, wherein the photon intensities ~~of the objects~~ are measured ~~locally and nonlocally~~ at different points of the tissue before and after application of an external influence ~~[[s]] agents~~, and wherein the different points of the tissue comprise i) points that were directly exposed to the external influence, and ii) points that were not directly exposed to the external influence.

Claim 2 (Canceled)

Claim 3 (Currently Amended): The method according to claim 1, wherein the dynamic progression of the changes in ~~ultraweak~~ photon emissions and delayed luminescence is measured within several hours.

Claim 4 (Currently Amended): The method according to claim 1, wherein a filter system ~~[[s]] (spectral filters and/or polarization filters, phase shifters)~~ are is used.

Claim 5 (New): The method according to claim 4, wherein the filter system is selected from the group consisting of a spectral filter, a polarization filter, a phase shifter and a combination thereof.